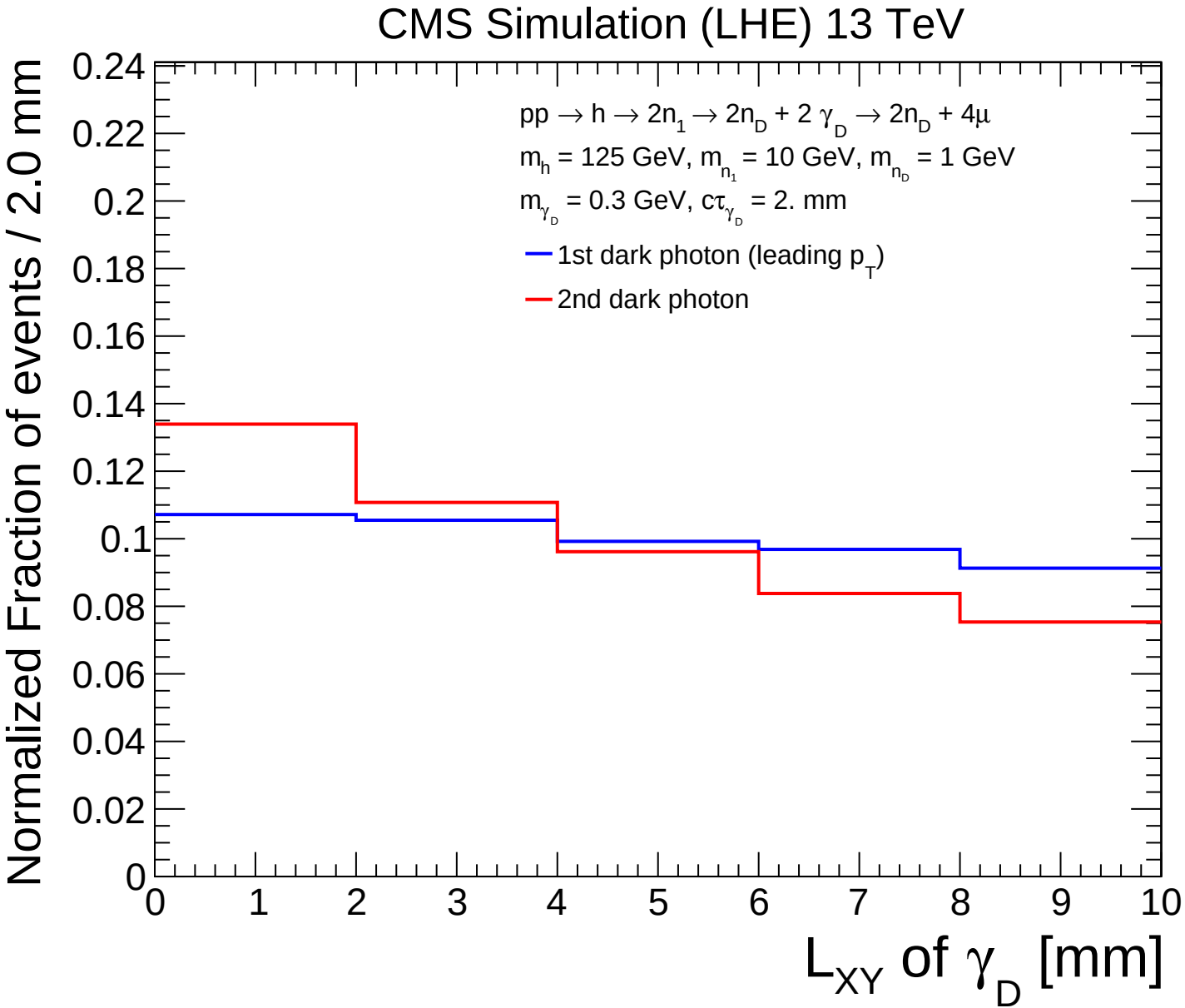
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.3 GeV, cτγD = 2. mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 2.0 mm
LXY of γD [mm]
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
0.22
0.24
0
1
2
3
4
5
6
7
8
9
10